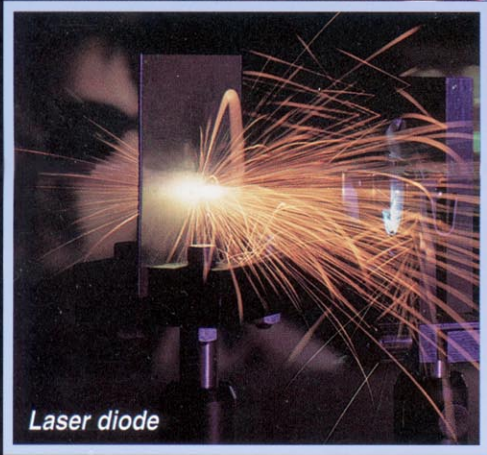


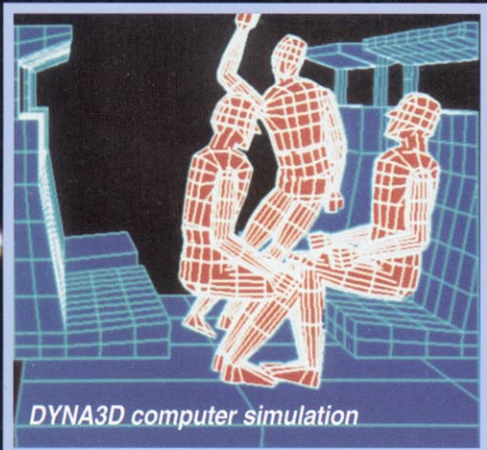
# Summer 2005

Outstanding science and engineering students are invited to apply...

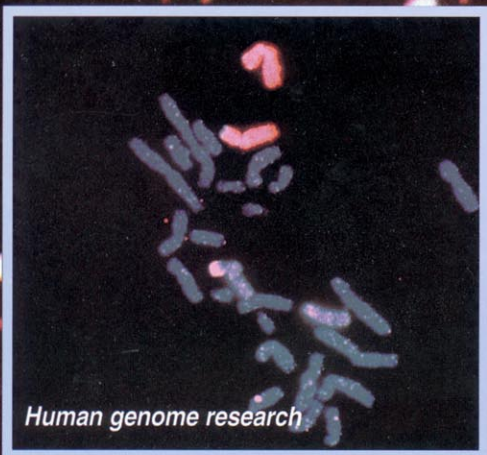
# Undergraduate Summer Institute



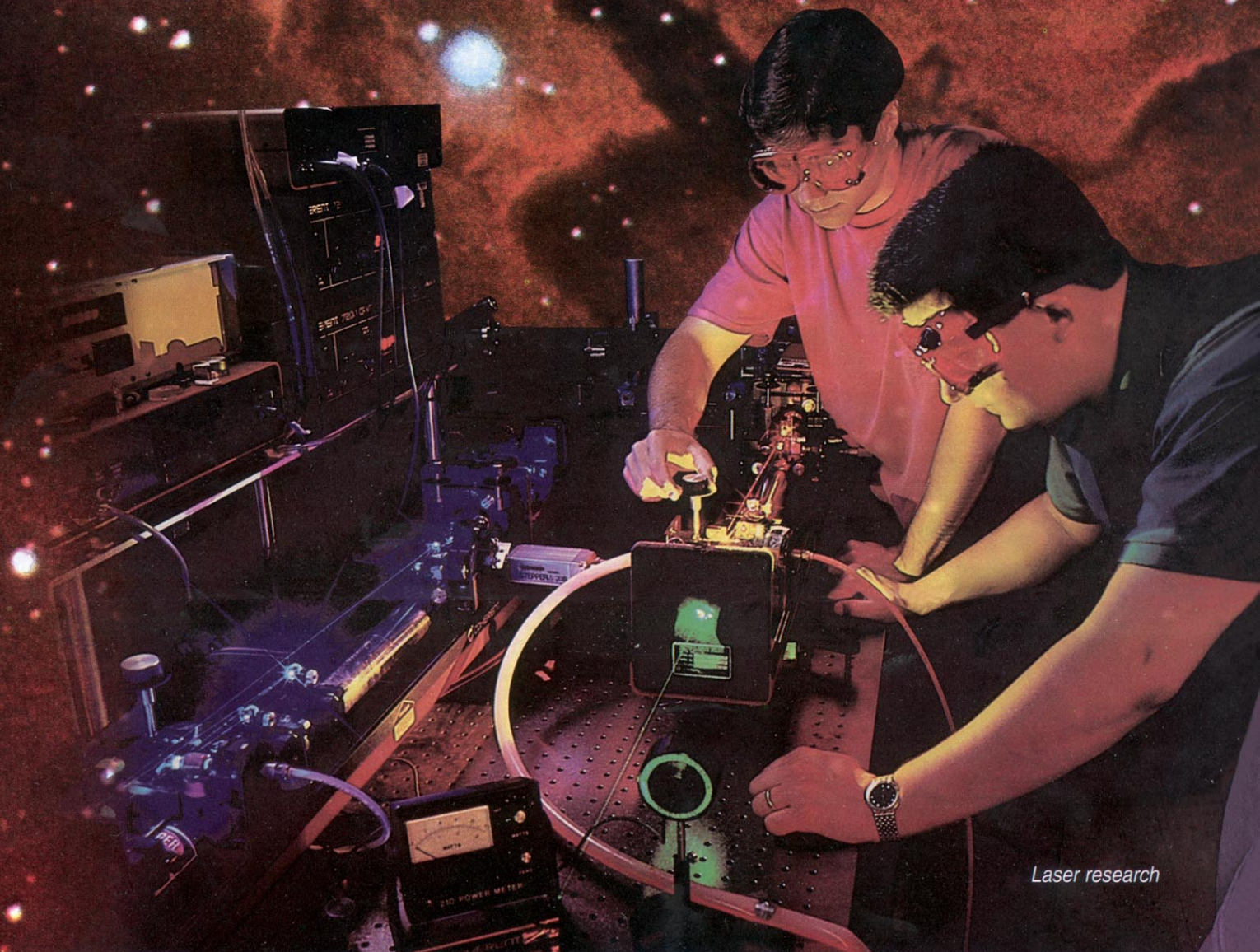
Laser diode



DYNA3D computer simulation



Human genome research



Laser research

The Undergraduate Summer Institute on contemporary topics in applied science brings college science and engineering students from across the nation to Lawrence Livermore National Laboratory (LLNL) for a rare opportunity to study “big science” at one of the world’s pre-eminent applied science research centers.

Successful applicants will work as Summer employees at LLNL for ten weeks, beginning on June 1st or June 29th, 2005. For eight weeks of their ten-week stay, each student will work on a technical project within their own specific academic discipline.

For two weeks from July 11–22, 2005 Summer Institute students will participate together in workshops featuring lectures by LLNL scientists, panel discussions, and Lab tours.

Technical subject areas for student assignments and workshop lectures include:

- Laboratory x-ray lasers
- Free electron lasers
- Computational modeling
- Surface and interface science
- Solid state chemistry and physics
- Precision engineering
- Laser fusion
- Magnetic fusion
- Computer science
- Metallurgy
- Energetic materials
- National security

These lectures and projects are supplemented by informal discussions and tours of LLNL, as well as extracurricular and social activities.

Outstanding students majoring in physics, chemistry, materials science, engineering, or related fields, who will be seniors in Fall 2005, are invited to apply.

Appointments include round-trip travel and a salary of \$19–\$22/hr for the 10 weeks of the Summer Institute program. U.S. citizenship required.

Apply via the web:  
<http://www-cms.llnl.gov/usi>

Deadline for application:  
February 1, 2005

For more information contact:  
Kathy Ricard, [ricard2@llnl.gov](mailto:ricard2@llnl.gov) or  
Charlie Westbrook, [westbrook1@llnl.gov](mailto:westbrook1@llnl.gov)

University of California



Lawrence Livermore  
National Laboratory

Undergraduate  
Summer  
Institute